

PATENT CLAIMS

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1. A pull-out shelf for mounting on rack uprights (1) or the like and comprising two brackets (4) projecting from the uprights or from supports mounted thereon, at least one rail (7) mounted on each bracket so as to be capable of being pulled out, and a shelf plane (8-12) or equivalent, supported by the rails, for articles which are to be placed on the shelf, which shelf comprises at least one releasable locking member (24) which, when an associated operating member (18) is actuated manually, releases the pull-out rails (7), so that these can be pulled out and pushed in, and, in the unactuated state, locks the rails relative to the brackets (4), characterized in that, when the operating member is unactuated, said locking member locks the rails under the action of a spring force; in that said manual actuation of the operating member takes place counter to the action of said spring force, so that releasing said operating member results in instantaneous locking of the rails and thus the shelf in the current position so as to allow stepless locking of the shelf in optional positions between an inner and an outer end position.
2. The shelf as claimed in claim 1, characterized in that said locking member follows the movements of the shelf and comprises a friction body (24) projecting in between two engagement surfaces borne by one bracket (4) of the shelf.
3. The shelf as claimed in claim 2, characterized in that the friction body (24) has a non-circular cross section, and in that said operating member (18) is adapted so as, when actuated, to bring about a rotation of the friction body from a locking position, in which the friction body is in friction engagement with said engagement surfaces, into a free position, in which it can be displaced relative to these.
4. The shelf as claimed in any one of claims 1-3, characterized in that it

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comprises two locking members, a rotatable friction body (24) being arranged between two engagement surfaces of each bracket (4).

5 5. The shelf as claimed in claim 3 or 4, characterized in that said friction body has a rectangular, preferably square, cross section, and in that, in the locking position, it is rotated in such a manner relative to the two engagement surfaces that the engagement with these increases as a consequence of an outwardly directed tensile force acting on the shelf.

10 10. 6. The shelf as claimed in any one of claims 3-5, characterized in that the operating member intended for rotating said friction body consists of a spring-loaded operating rod arranged on the shelf, which rod, in the unactuated state, holds the friction body in a locking position under the action of the spring force and, when actuated counter to the action of the spring force, rotates the friction body into a free position.

15 15. 7. The shelf as claimed in any one of claims 1-6, characterized in that said engagement surfaces are formed by the legs of a rail with a U-shaped profile arranged on at least one bracket of the shelf.

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25 25. 9. The shelf as claimed in any one of claims 1-6, characterized in that said engagement surfaces are formed by a lower horizontal flange of at least one bracket of the shelf and by a lower edge of a fixed guide rail which is borne by the bracket and in which the pull-out rail of the shelf runs.

30 30. 10. The shelf as claimed in any one of claims 4-9, characterized in that said friction bodies (24) consist of the end portions of a bar (22) extending between the brackets (4), in that the bar follows the displacement movements of the shelf, and in that the bar can be rotated by means of said

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operating member (18).

11. The shelf as claimed in any one of claims 1-10, characterized in that it comprises adjustable stop members (26) which are adapted so as to allow adjustment of the location of the inner position of the shelf.

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12. The shelf as claimed in claim 11, characterized in that said stop members (26) comprise stirrups, pins or equivalent, which can be mounted in any of a number of holes (25) or slots, so that they delimit the pushing-in of the pull-out rail (7) relative to the bracket (4).

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13. The shelf as claimed in any one of claims 1-12, characterized in that the brackets (4) are interconnected by means of at least one transverse stay (13) which is easy to mount and allows the shelf to be assembled at the point of use.

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14. The shelf as claimed in any one of claims 1-13, characterized in that those parts (3) of the brackets (4) which interact with slot-shaped holes in the rack uprights (1) are made with adjustment notches (5) so as to allow the shelf to be mounted at different angles relative to the rack uprights (1).